CTIA Certification

A Division of **CTIA**–The Wireless Association™

Test Plan for CDMA Mobile Stations

November 2012

Revision 5.7

CTIA Certification Program

CTIA Certification Program

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Section 1   Introduction

1.1   Purpose

This Test Plan is part of the CTIA CDMA Certification Program, as defined in CTIA CDMA Certification Program Management Document (PMD). The PMD describes the full criteria that must be met for CTIA Certification.

Because CTIA Certification for CDMA devices is part of CDMA Certification Forum™[1] (CCF) Certification, all test requirements are defined in the CCF Certification Test Plan. Reference Section 1.3 of this document for the test plan location.

1.2   Scope

This Test Plan defines the CTIA Certification test requirements for minimum performance testing, signaling conformance testing and cabled interoperability testing of Mobile Stations incorporating CDMA technologies.

This Test Plan does not provide specific test equipment configurations or detailed test procedures by which to execute Certification testing. Such documentation and procedures must be presented by the CTIA Authorized Testing Laboratory (CATL) as part of the CATL authorization process and subsequently maintained and employed by the CATL to remain authorized to conduct Certification testing.

This Test Plan does not include the test requirements or test methodology for other Mobile Station standards or technologies (e.g., GSM, UMTS). Aspects of multiple CTIA Test Plans are merged in those cases where a product supports a blend of multiple technologies.

1.3   Applicable Documents

 The following documents and published addendums are applicable to this Test Plan:

CTIA CDMA Certification Program Management Document, Latest Revision, CTIA. www.ctia.org/certification

CCF Test Plan, Latest Revision, CCF.
http://globalccf.org/test-plan-database

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[1] CDMA Certification Forum is a registered trademark of the CDMA Certification Forum

1.4 Test Requirements

The following tests defined in the CCF Certification Tests Plan are applicable for CTIA Certification:

- Core Testing

- Cabled IOT Device Endorsement

Section 2   Revision History

Test Plan for CDMA Mobile Stations

Date	Revision	Purpose/Change
January 1998	Draft 1.0	Issued For Comments
February 1998	Draft 1.1	Issued For Comments
June 1998	Release 1.2	Changed to reflect IS-98-B Included CDMA Environmental Tests Calibration Procedure Added Added Analog Call Setup Modified CDMA Results Tables Added Thermal Shock
January 1999	Draft 1.3 (not released)	General Reformat Simplified Table/Figure Referencing Extensive Review and Update of Existing Procedures
November 1999	Release 2.0 (not released)	CDMA testing now reflects use of TAS hardware and software Added support for 8924C idle and soft handoff tests All tests now reflect TIA/EIA-98-B General revision of procedures
February 2000	Release 2.1	CDMA Authentication added Acoustics reflect new B&K 6713 Editorial changes made
November 2001	Release 3.0	Certification program restructured Replaces previously titled "Test Plan for 800 MHz AMPS & Cellular/PCS CDMA Wireless Subscriber Stations"
October 2002	Release 3.1	Updated applicable documents to latest specifications Added acronyms table Updated 1x and position location tests to reflect latest specifications Added TIA/EIA-898 references to signaling conformance tests Identified signaling conformance tests as informational-only Clarified system performance tests and added CDG35 test matrices Editorial changes
November 2003	Release 3.2	Updated reference to document <u>Recommended Minimum Performance Standards for cdma2000 Spread Spectrum Mobile Stations</u> to Version TIA/EIA-98-E Deleted reference to TIA/EIA-98-E, Ballot Version Updated PMD reference to Rev. 3.0 Corrected TIA-919 title Revised signaling conformance test requirements Provided roadmap for future test requirements
April 2004	Release 4.0	Expanded Test Coverage, including 1x-EvDO & Position Location Removed test cases; updated test matrices; added hybrid test Added Test Process section and safe-for-network test report format Identified safe for network test cases in test matrices Revised test coverage to reflect CATL input on test capability Clarified radiated test coverage requirements Allowed testing per spirit of CDG References 35 & 64 Updated PMD reference to Rev. 3.1
October 2004	Release 4.1	Updated test matrices Updated document references Clarified two-part test process

Date	Revision	Purpose/Change
		Updated position location testing Renamed hybrid test to TIA-916 test and updated
January 2005	Release 4.2	Updated test matrices
May 2005	Release 4.3	Updated test matrices
October 2005	Release 4.4	Updated test matrices Updated PMD reference to Rev. 4.2 Added Temperature Designator
October 2006	Release 5.0	Reformatted to reference CCF-L Certification Test Plan
November 2006	Release 5.1	Revised Environmental test requirements Clarified CCF-L test plan version requirements Updated PMD reference to Rev. 4.3
November 2006	Release 5.2	Added Environmental test requirements back into requirements for C.S0033
December 2006	Release 5.3	Added requirement to test all band classes supported by the device Fixed incorrect reference to C.S0031-0 Took out test cases 10.6, 13.5 and 4.1 in C.S0031-0 Updated PMD reference to Rev. 4.4
January 2008	Release 5.4	Added 3GPP2 references C.S0043-0, C.S0060-0, C.S0061-0, C.s0062, C.S0073-0 and OMA-ETS-MMS-V1_2-200602080
April 2009	Release 5.4.1	Deleted 3GPP2 reference OMA-ETS-MMS-V1 2-20060208-A - Enabler Test Specification for MMS and ME conformance test for R-UIM 3GPP2 C.S0048. Deleted requirement that for CTIA Certification, the device must be tested in all bands supported by the product.
September 2009	Release 5.5	Revised Applicable Documents section Deleted 3GPP2/ TIA Reference Matrix, EUT, Mobile Station Documentation, Definitions, Band Class Definitions, Test Case Exceptions tables, Test Case matrix tables Renamed Test Overview to Test Requirements and updated
June 2011	Release 5.6	Revised the test plan name and Internet link for the CDMA Certification Forum (CCF) Test Plan
November 2012	Release 5.7	Revised Internet link for the CDMA Certification Forum (CCF) Test Plan